ADAM-4572

Features

- · Supports 10/100 Mbps communication speeds
- Allows up to 8 clients to access field data simultaneously
- Supports popular HMI software with Modbus®/ TCP driver or OPC server
- Up to 3 Independent serial ports capacity if configured to RS-485 serial mode
- Provides auto-searching device ID Windows utility
- Surge protection for RS-485 and power line
- · Automatic RS-485 data flow control
- Easy mounting on DIN-rail and wall, and can also be stacked
- Supports Modbus/ASCII, Modbus/RTU Protocol to control devices

DESCRIPTION:

ADAM-4572 serves as an interface between Modbus serial devices and computer hosts running Modbus/TCP on an Ethernet network. Fully compliant with Modbus/TCP, it is ideal for those who looking for an easy way to connect their existing devices or controllers running Modbus serial protocols (Modbus/ASCII or Modbus/RTU) to Ethernet networks. It works like a bridge between Modbus serial devices and controllers over TCP/IP Ethernet networks. Benefits are also abundant for customers who want to expand their Ethernet-based Modbus (Modbus/TCP) applications.

Networks have become increasingly vital for industrial automation applications, but many control devices today do not have a network port and can only communicate with a dedicated local PC or control panel. Advantech's revolutionary network-enabling technology is now allowing control devices with serial ports to connect to the Ethernet and share networks quickly and cost-effectively. The ADAM-4572 Modbus to Ethernet Data Gateway allows users to integrate new and existing Modbus/RTU and Modbus/ASCII serial devices to newer TCP/IP network-based devices. Manufacturers, system integrators, and end users can now use the ADAM-4572 to create networked applications to remotely manage and access data from control devices no matter where they are.

Modbus RTU to Modbus TCP Converter



SPECIFICATIONS:

Ethernet Communications

Compatibility	IEEE 802.3, IEEE 802.3u
Speed	10/100 Mbps
Connectors	1 x RJ-45

Serial Communications

Туре	RS-232/422/485
Connectors	Screw terminal
Ports	1
Data Bits	7, 8
Stop Bits	1, 2
Baud Rate	300 bps ~ 115.2 kbps
Data Signals	RS-232: TxD, RxD, GND
	RS-422: TxD+, TxD-, RxD+, RxD-,
	GND
	RS-485: Data+,Data-, GND

Protection

Surge Protection 15 kVESD





Software

Drivers Supported Utility Software	Windows® 98/NT/2000/XP Auto-detecting configuration utility (up to 128 devices)Device setting: name, description, serial port
Operation Mode	Modbus/TCP, Modbus/RTU, Modbus/ ASCII
Configuration	Configuration utility
Mechanics	

Dimensions(H x W x D) 70 x 130 x 30 mmEnclosureABS+PC with solid mounting
hardwareMountingDIN-rail, stack, wall

General

Certifications LED Indicators CE, FCC class A Network: Tx/Rx, Link, Speed (10/100 Mbps) Serial: Tx/Rx System: Power, Status

Power

Power InputUnregulated $10 \sim 30$ VDCPower Consumption3 WEnvironment0 ~ 60° C (32 ~ 140°F)Operating Temp.0 ~ 60° C (-4 ~ 176°F)Storing Temp.-20 ~ 80° C (-4 ~ 176°F)Operating Humidity20 ~ 95% (non-condensing)Storing Humidity0 ~ 95% (non-condensing)

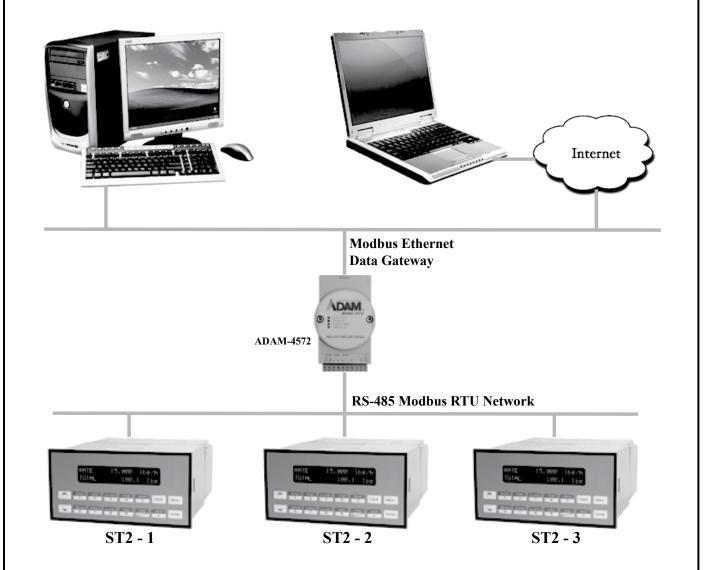
Ordering Information

ADAM-4572

1-Port Modbus to Ethernet Data Gateway

> Flow Instruments COMMUNICATION SOLUTIONS

TYPICAL APPLICATION:



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